

#4/ ^{AMDT} A6/18/02
VS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of

Applicant : Cem Basceri
 Serial No. : 09/903,160
 Filed : July 11, 2001
 Title : CAPACITOR WITH HIGH DIELECTRIC CONSTANT MATERIALS
 AND METHOD OF MAKING
 Docket : MIO 0062 PA (99-0426; 98-1296)
 Examiner : Owens, Douglas W.
 Art Unit : 2811

Assistant Commissioner for Patents
 Washington, DC 20231

CERTIFICATE OF FACSIMILE TRANSMISSION
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 Office (Fax No. 703/372-9340) on June 13, 2002.

Julie G. Cope

Attorney - Julie G. Cope

Reg. No. 48,624

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AMENDMENT

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This paper is being filed in response the office action mailed on April 22, 2002.

Reconsideration is respectfully requested in light of the amendments and remarks below.

CLEAN VERSION OF THE AMENDMENTS

A version of the claims showing the markings is provided in a separate appendix attached to this paper.

In the Claims

Please cancel claims 30-37.

39. (New) A method for forming a capacitor comprising: providing a non-oxide electrode selected from the group consisting of TiN, TaN, WN, and W, in a deposition chamber oxidizing an upper surface of said non-oxide electrode in an atmosphere containing a gas plasma generated from a gas selected from the group consisting of O₂, O₃, H₂O, and N₂O, in the same deposition chamber depositing a high dielectric constant oxide dielectric material selected from the group consisting of Al₂O₃, Ta₂O₅ and Ba_xSr_(1-x)TiO₃ on the oxidized surface of said non-oxide electrode, and depositing an upper layer electrode on said high dielectric constant oxide dielectric material.

FACSIMILE COVER SHEET

TO: Examiner Douglas W. Owens, Art Unit 2811

Company: Assistant Commissioner for Patents
Fax No.: 703/872-9318

FROM: Julie G. Cope, Reg. No. 48,624/amm

Date: June 13, 2002

Pages: 7

(including cover page)

Our Docket No.: MIO 0062 PA (99-0426;98-1296)

Transmission No.: _____

Patents, Trademarks and Related Matters

Killworth, Gottman, Hagan & Schaeff, L.L.P.

One Dayton Centre
One South Main Street, Suite 500
Dayton, Ohio 45402-2023

937.223.2050
Fax | 937.223.0724
E-mail | kghs@kghs.com
www.KGHS.com

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Remarks:

U.S. Patent Application Serial No. 09/903,160

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